



16085 U.S. PTO

**UTILITY PATENT APPLICATION TRANSMITTAL**

(for Noncontinuing, Nonprovisional  
Applications under 37 C.F.R. §1.53(b))

Attorney Docket No. 05558.0011.NPUS04

22390 U.S. PTO  
10/817312



Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R.  
§1.53(b) is the nonprovisional, noncontinuation  
patent application for:

Title: INHIBITORS OF PHOSPHODIESTERASES  
IN INFERTILITY

First Named Inventor or  
Application Identifier: Palmer, *et al.*

) CERTIFICATE OF MAILING BY "EXPRESS MAIL"

) "Express Mail" Mailing Label Number

) EV 439402377 US

) Date of Deposit April 1, 2004

) I hereby certify that this paper or fee is being  
) deposited with the United States Postal Service  
) "Express Mail Post Office to Addressee" Service under  
) 37 CFR §1.10 on the date indicated above and is  
) addressed to the Mail Stop Patent Application,  
) Commissioner for Patents, P.O. Box 1450,  
) Alexandria, VA 22313-1450.

) Nate Lee

) (Typed or printed name of person mailing)

) Nathan Lee  
) (Signature of person mailing)

1. **Utility Patent Application:**

76 pages of the specification (*including claims*) are enclosed.

16 sheet(s) of drawings are enclosed. (x) Formal ( ) Informal

2. **Declaration and Power of Attorney:**

( ) An executed Oath or Declaration and Power of Attorney naming the actual inventors is enclosed.

(x) The names of persons believed to be the actual inventors are set forth in the enclosed **unexecuted** Oath or Declaration and Power of Attorney (§1.41(a) and §1.53(b)).

3. **Assignment:**

( ) An Assignment(s) of the invention to \_\_\_\_\_, and cover sheet are enclosed.

( ) A check in the amount of \$\_\_\_\_\_ to cover the fee for recording the assignment(s) is enclosed. (\$40.00 per assignment.)

4. ( ) A 37 C.F.R. §3.73(b) Statement is enclosed (*where an Assignee seeks to take action in a matter before the Patent Office*).

5.     ( )     An Information Disclosure Statement is enclosed.
- ( )     A Form PTO-1449 is enclosed.
- ( )     References (copies) listed on the Form PTO-1449 are enclosed.
6.     (x)     A Return Receipt Postcard is enclosed (MPEP §503).
7.     (X)     Priority of provisional application numbers 60/458,955 filed on April 1, 2003 in the United States ; 60/470,434 filed on May 15, 2003 in the United States ; 60/540,301 filed on January 28, 2004 in the United States ; 60/544,003 filed on February 12, 2004 in the United States is claimed under 35 U.S.C. §119.
- ( )     A certified copy of the priority document is enclosed.
8.     ( )     A MicroFiche Computer Program (Appendix) is enclosed.
9.     ( )     A Nucleotide and/or Amino Acid Sequence Submission is enclosed.
10.    ( )     A Computer Readable Copy is enclosed.
11.    ( )     A Paper Copy (*Identical to Computer Copy*) is enclosed.
12.    ( )     A Statement Verifying Identity of above Copies is enclosed.
13.    **The filing fee is calculated below:**

CLAIMS AS FILED – INCLUDING PRELIMINARY AMENDMENT (IF ANY)						
			SMALL ENTITY		LARGE ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
<b>BASIC FEE</b>				<b>\$385.00</b>		<b>\$770.00</b>
<b>TOTAL</b> (No. of claims – 20=)	<b>98</b>	<b>78</b>	<b>X \$9.00</b>	<b>-</b>	<b>X \$18.00</b>	<b>1404.00</b>
<b>INDEP.</b> (No. of claims – 3=)	<b>5</b>	<b>2</b>	<b>X \$43.00</b>	<b>-</b>	<b>X \$86.00</b>	<b>172.00</b>
<b>Assumed no multiple dependent claims – □ First Presentation of Multiple Dependent Claim</b>			<b>+ \$145.00</b>	<b>-</b>	<b>+ \$290.00</b>	
<b>Filing Fee =</b>			<b>\$</b>		<b>\$ 2,346.00</b>	

14. **Method of Payment of Fees**

- ( ) Enclosed is our firm check in the amount of: \$ \_\_\_\_.
- (X) Charge \$ 2,346.00 to Deposit Account No. 08-3038.
- ( ) The payment of the Filing Fee is to be deferred until the Declaration is filed. Do not charge our Deposit Account.
15. (X) A separate written request under 37 C.F.R. §1.136(a)(3), which is a general authorization to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. §1.136(a) for its timely submission as incorporating a petition for an extension of time for the appropriate length of time, is enclosed.
16. (X) The Commissioner is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 08-3038. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 08-3038. This sheet is filed in triplicate.
17. ( ) Also enclosed:

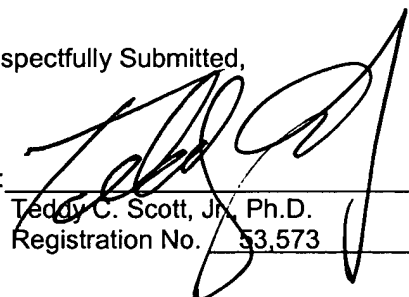
Please address all future communications to

**HOWREY SIMON ARNOLD & WHITE, LLP**

Attention: IP Prosecution  
Box No. 34  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-2402  
(202) 783-0800

Respectfully Submitted,

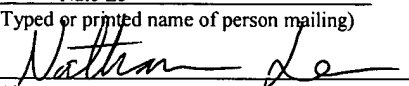
By:

  
Teddy C. Scott, Jr., Ph.D.  
Registration No. 53,573

April 1, 2004  
(Date)

HOWREY SIMON ARNOLD & WHITE, LLP  
321 N. Clark Street, Suite 3400  
Chicago, Illinois 60610  
(312) 846-5621 (Direct)  
(312) 595-2250 (Fax)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	PALMER, et al.	)	CERTIFICATE OF MAILING BY "EXPRESS MAIL"
		)	
Serial No.:	To be assigned	)	"Express Mail" Mailing Label Number
		)	EV 439402377 US
		)	
Filed:	Filed herewith	)	April 1, 2004
		)	I hereby certify that this paper is being deposited with the
		)	United States Postal Service "Express Mail Post Office to
For:	INHIBITORS OF	)	Addressee" Service under 37 CFR 1.10 on the date indicated
	PHOSPHODIESTERASES	)	above and is addressed to Mail Stop Provisional Patent
	IN INFERTILITY	)	Application, Commissioner for Patents, P.O. Box 1450,
		)	Alexandria, VA 22313-1450.
		)	
Group Art Unit:	N/A	)	Nate Le
		)	(Typed or printed name of person mailing)
		)	
Examiner:	N/A	)	(Signature of person mailing)

GENERAL AUTHORIZATION FOR PETITION FOR  
EXTENSION OF TIME UNDER 37 C.F.R. §1.136(a)(3)

Applicant(s) hereby request under 37 C.F.R. §1.136(a)(3) by this general authorization that any concurrent or future reply submitted by Applicant(s) to the U.S. Patent and Trademark Office for the above-identified patent application requiring a petition for an extension of time under §1.136(a) for its timely submission be treated as incorporating therein a petition for an extension of time for the appropriate length of time.

If Applicant(s) do not timely pay for any extension fee(s) pursuant to 37 C.F.R. §1.136(a) which may become due for this application under 37 C.F.R. §1.17 by check, the Commissioner is hereby authorized to charge such fee(s), and any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 08-3038.

Respectfully submitted,

HOWREY SIMON ARNOLD & WHITE, LLP

By: 

Teddy C. Scott, Jr., Ph.D.  
Registration No. 53,573

April 1, 2004  
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